

MISSOURI

2021 RECYCLING REPORT



FROM THE DIRECTOR



A Word From General Services Director Cindy Dixon

I am honored to present our annual report for fiscal year 2021.

In accordance with RSMo 34.031, the Office of Administration is submitting our annual report to summarize state government's accomplishments in the areas of recycling, waste reduction, and recycled content product procurement.

State law directs state agencies to implement policies for recycling, waste reduction, and procurement of recycled content products. The Missouri State Recycling Program, administered by the Office of Administration, Division of General Services, is responsible for assisting state agencies in these areas. The State Recycling Program works cooperatively with the Missouri Interagency Recycling Committee (MIRC) to facilitate recycling and waste reduction by state team members.

As a result of the efforts of state employees and MIRC, we continue to develop the State's recycling collection infrastructure. State employees continue to reduce the amount of waste generated at state facilities and the related costs of waste disposal. Recycling and waste reduction highlights from FY21 include:

- **10,274,348** pounds of materials recycled.
- Energy saved from pounds of material recycled is equivalent to the annual energy consumption of **2,302** homes.
- **\$6,445,363** of recycled-content products purchased.
- **\$94,578** in revenue generated for the recycling fund.
- **\$349,893** in waste disposal costs avoided.



ABOVE: Office of Administration General Services Director
Cindy Dixon

We appreciate the support of the General Assembly in our recycling efforts.

Questions or comments regarding this report may be directed to the State Recycling Manager.

Robert Didriksen | 573.751.3384 | Robert.Didriksen@oa.mo.gov

State of Missouri | Office of Administration | Division of General Services
301 W. High Street, P.O. Box 809 | Jefferson City, MO 65102-0809
oa.mo.gov/general-services/missouri-state-recycling-program

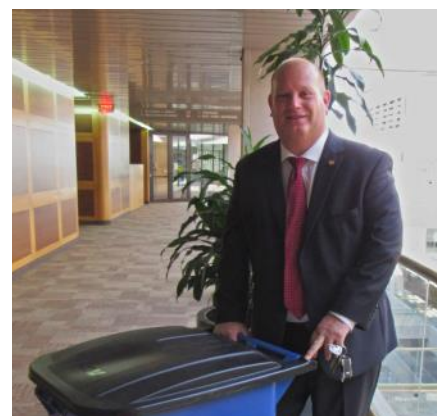
ABOUT THE STATE RECYCLING PROGRAM



In 1989, the Missouri State Recycling Program (MSRP) was established when legislation added sections 34.031 and 34.032 to Chapter 34 of the Missouri Revised Statutes. The MSRP partners with state employees and agencies to facilitate fiscally and environmentally responsible strategies for reuse and recycling of state property.

About the Program

- The MSRP is staffed by the recycling manager and supported by the Missouri Interagency Recycling Committee (MIRC) as well as a large number of employee volunteers.
- MIRC serves an important purpose by providing input on recycling initiatives and communicating with state team members. The recycling committee is composed of representatives from various state departments (executive, judicial, and legislative). The list can be found on the MSRP website.
- State team members are key to the success of the MSRP. The efforts of thousands of state team members each day result in significant, measurable results. State team members who recycle are a part of the Missouri State Recycling Program.



RECYCLING CHAMPIONS

2021 Recycling Champions: Recognizing Those Who Go Above and Beyond

The Missouri State Recycling Program (MSRP) annually recognizes state agencies and team members for their outstanding contributions in the areas of waste reduction and recycling.

The Harry S Truman Maintenance Team does a lot to support recycling in the Capitol Complex. The team operates out of the Truman Building, but provides maintenance and support to numerous buildings in the Capitol Complex.

Jack Pruitt and Luther Harley spearhead the recycling effort at Truman by managing the day-to-day operations of the baler. They also manage collections of a large variety of materials such as scrap metal, electronics, carpet tiles, and surplus property such as furniture and appliances.



ABOVE: (L-R) Mitch Rogge, Mark Hill, George Percival, Rob Didriksen, Andrew Welschmeyer, Joe Ruppel, Scott Emmerich, Luther Harley, Steve Sweeten, Jack Pruitt, Dave Holzer, Willie Wright, Darren Conner, Brad Berendzen, and John Dodd.

Lori Cody is an assistant park superintendent at Montauk State Park, which boasts one of the busiest campgrounds in the Missouri state park system. In 2019, Lori led a recycling campaign at Montauk when

she saw lots of recyclable material in the trash. This led to an evaluation of current practices and resulted in a much more convenient recycling experience for campers. Montauk's program was so successful that it was rolled out at other state parks under the title: 'Recycle Rally in State Parks!'



**Lori Cody, Montauk State Park
Individual Award**

LEFT: (L-R) Rob Didriksen, Justin Adams, Mike Sutherland, Riley Walton, Bradley Robertson, Lori Cody, David Kelly, Melinda Cramer, Charles Burkhart, Nancy Garrison, Dru Buntin, Kaylyn Dalbom, and Coy King.

STATE AGENCY RECYCLING



Pounds Recycled by Material

METAL
5,106,275

PAPER
2,726,492

CARDBOARD
828,098

Recycled Products Purchased

METAL PRODUCTS
\$4,435,905

PAPER PRODUCTS
\$1,190,836

REMANUFACTURED FURNITURE
\$174,753

Pounds Recycled by Department

TRANSPORTATION
4,612,438

CORRECTIONS
1,787,351

SECRETARY OF STATE
501,687

Financial Stats

- \$6,445,363:** Total spent by state agencies on products made from recycled materials.
- \$349,893:** Avoided cost of waste disposal due to recycling.
- \$263,518:** Avoided cost of office supplies and equipment exchanged through MOREuse.

Environmental Savings

(from Recycling 10,260,123 Pounds of Various Materials)

Green House Gas Reductions Equivalent to ...

Annual emissions from **3,964** passenger vehicles

OR

2,100,627 gallons of gasoline not used

OR

777,845 cylinders of propane for home BBQs not used

Energy Savings Equivalent to ...

Annual energy consumption of **2,302** homes

OR

36,295 barrels of oil

OR

1,750,684 gallons of gasoline

Environmental Savings were calculated using the Environmental Protection Agency's Waste Reduction Model (WARM). For additional information please see <https://www.epa.gov/warm>.

STATE RECYCLING SURVEY RESULTS



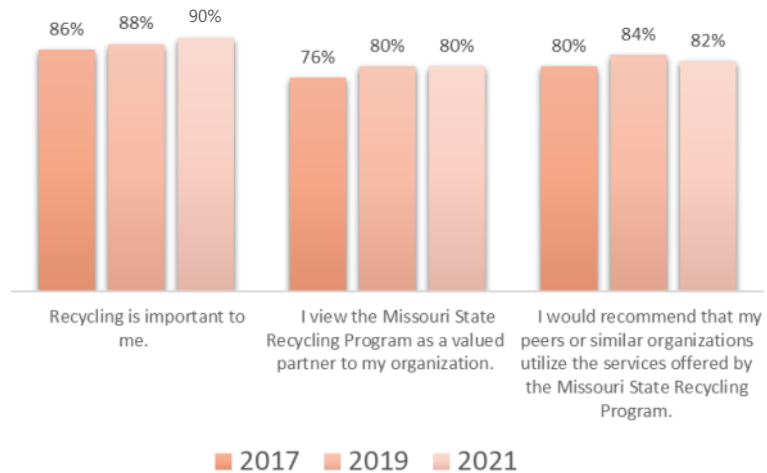
State Team Member Feedback Is Vital to Program Success

In October of 2021, the Missouri State Recycling Program (MSRP), distributed a bi-annual survey to more than 33,000 state team members. Nearly 2,800 responses were received. Survey responses will help to inform the MSRP about how to better support state government recycling efforts.

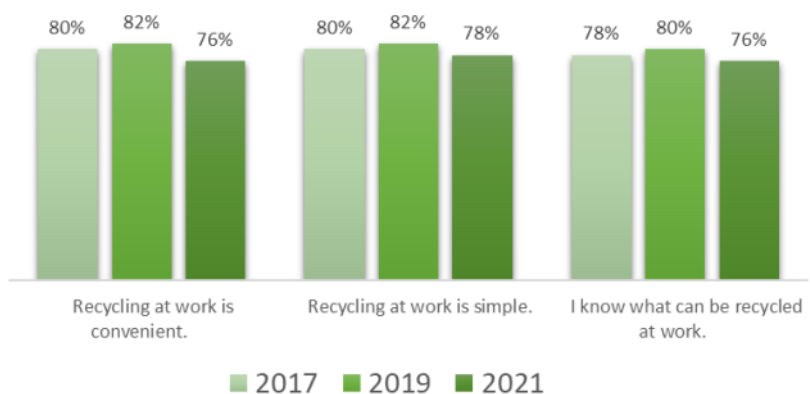
The charts to the right show the percentage of team members who agree with each statement. The highest survey score was for the statement, **"Recycling is important to me,"** which received an overall score of 90 percent! The MSRP will continue to address additional survey results and comments throughout 2022.

When completing the survey, respondents answered with a score from 1 - 5, with one rated as "strongly disagree" and five rated as "strongly agree". The average scores for each statement were converted to represent the percentage of team members who agreed with the statement.

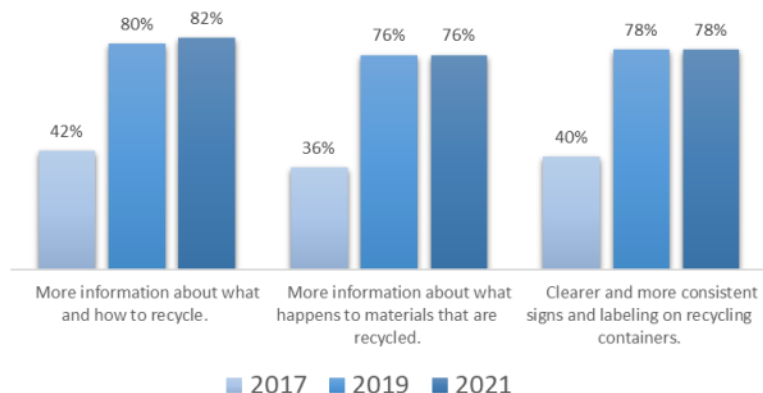
Recycling Program Ranking



Recycling at work



Recycling Education



AGENCY ACCOMPLISHMENTS

Recycle Rally in Parks Wins 2nd Place in Show Me Challenge

The Department of Natural Resources and Office of Administration teamed up to pitch **“Recycle Rally in Parks”** for the fourth Show Me Challenge competition. Competing against nine other teams, the Recycle Rally Team placed second during the December 2020 competition. The Recycle Rally proposal implements a statewide campground recycling program that will increase convenience of recycling for campers.

2021 marked the first full year of operation for the Recycle Rally. Sixteen out of thirty-nine or 41 percent of State Parks with camping participated in the rally.

During the summer peak season, trash volume was reduced by 136 cubic yards each month. This is equivalent to one full 48-foot tractor trailer load of monthly trash.

Recycle Rally | Statewide 2021 Camping Season

# Camping Parks Participating	# of Campsites	Savings on Trash	Aluminum (lbs.)	Plastic (lbs.)	Recycling Funds Collected
16	1,544	\$3,264	9,731	6,298	\$3,795



ABOVE: Reusable recycling bags at Montauk State Park.

Jefferson Building Basement Project

Department of Elementary and Secondary Education (DESE) team members helped with preparations for a new heating, ventilation, and air conditioning (HVAC) upgrade at the Jefferson Building by cleaning up the basement. Reorganizing the storage areas in the basement was necessary to create space for the HVAC contractor. This project required many offices to come together, both inside and outside of DESE, to organize, sort, recycle, and clear the storage areas in the building.

To assist in this process, DESE teamed up with the Missouri State Recycling Program (MSRP), which helped coordinate both recycling and redistribution opportunities to ensure this project was successful.

Working with MSRP, DESE arranged for stations to collect shred materials, outdated electronics, metal, cardboard, and paper.

LEFT: Pallets of electronics for recycling at the Jefferson Building.



Project Statistics

- **Pounds Recycled**
 - ◇ Cardboard: 5,860
 - ◇ Paper: 26,105
 - ◇ Metal: 8,603
 - ◇ Electronics: 7,212
- **Pallets of material removed: 80**
- **Chairs removed for reuse: 100+**
- **Dozens of pieces of furniture removed for reuse**

REDUCTION & REUSE



Promoting a Culture of Reuse

MOREuse is a web-based application that facilitates the reuse and recycling of state property.

More than 500 employees used MOREuse in fiscal year 2021 (FY21) to advertise items that are available to other state agencies or to search for items their office may need. Property exchanged (at no cost) included anything from paper clips to three-ring binders to office chairs. State agencies avoided spending an estimated \$263,518 by acquiring property through the MOREuse system instead of purchasing new property.

The MOREuse community is made up of givers (agencies with unneeded property) and takers (agencies that need the property). Property posted or exchanged on MOREuse is for state agency use only.

Top 3 Giver Agencies | Estimated Cost of Items Given to Other Agencies

1. Dept. of Revenue: \$41,013
2. Office of Administration: \$39,924
3. Dept. of Commerce & Insurance: \$25,503

Top 3 Taker Agencies | Estimated Costs Avoided

1. Dept. of Corrections: \$194,706
2. Dept. of Natural Resources: \$20,982
3. Office of Administration: \$17,175

Top Items Exchanged on MOREuse

1. Office & Guest Chairs: \$147,991
2. Desks: \$30,835
3. Tables: \$21,531

MOREuse Receives Recognition

The Missouri Recycling Association (MORA) selected the MOREuse system as winner of this year's award for **Leadership in Reuse, Waste Reduction, and Recycling**.

Rob Didriksen, Manager of the Missouri State Recycling Program, and Lee Ann Blythe, Manager of the Missouri State Surplus Property, accepted the award at MORA's annual conference in Branson in November.

"The MOREuse application was developed through an amazing collaboration of teams from OA's Information Technology, State Surplus Property, and State Recycling programs," said Didriksen. "It's one of the most exciting projects I've worked on during my time with the state and it continues to produce results in its third year of operation."

RIGHT: Rob Didriksen (left) & Lee Ann Blythe (right) accept the award from MORA's John Davis.



STATE RECYCLING FUND

Missouri's State Recycling Fund was established by RSMo 34.032 and states that "Proceeds from the sale of recycled materials may be used to offset costs of the recycling program." Additionally, all funds deposited into the state recycling fund are dedicated to recycling-related expenses for state government.

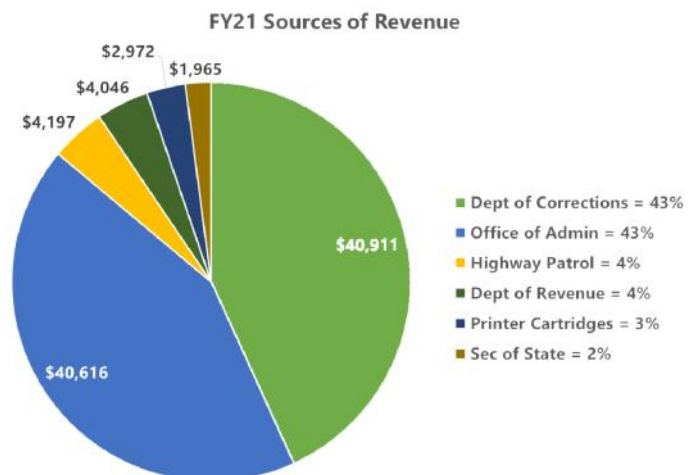
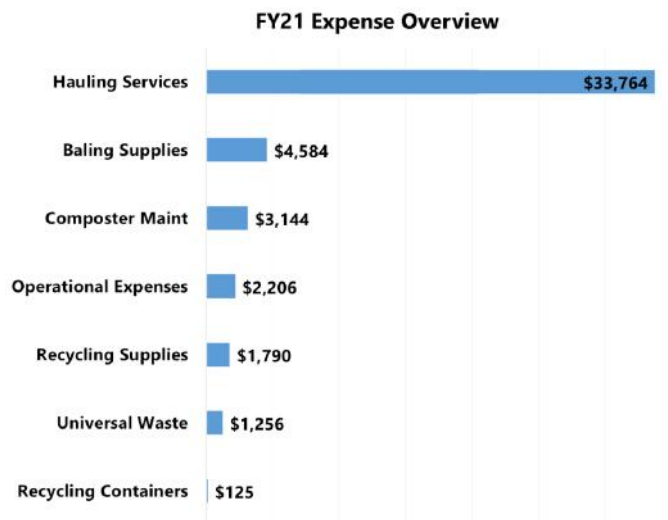
Fiscal year 2021 (FY21) was a challenging year financially with struggling scrap commodities markets, escalating hauling costs, and lower generation of materials collected by state agencies due to COVID-19. As a result, there was a reduction in the number of locations in Jefferson City and St. Louis where State Recycling covered the recycling costs. Fortunately, several agencies decided to continue recycling by paying for recycling services out of their budgets.

It is important to note that four years ago (FY17), no funds were spent on hauling services. In FY21, due to market conditions, 72 percent of the recycling budget was spent on hauling services.

FY21 also saw a 41 percent increase in revenues compared to FY20. In addition there was a 10 percent decrease in expenses in FY21 as compared to FY20. State Recycling expects these revenue and expense trends to continue for the next couple of years. These are positive developments which should assure the program's future viability.

Contributions to the Heating Assistance Program (Utilicare)

Excess revenues from the sale of recyclable materials are transferred to the Heating Assistance Program (HAP) managed by the Missouri Department of Social Services pursuant to RSMo 34.032. The HAP, also known as Utilicare, provides financial assistance to low-income Missourians for heating their homes during winter months. As a result of state team member recycling efforts, a \$30,000 contribution to the HAP was made in FY21, which will help approximately 150 Missouri households pay energy bills.





RECYCLING RESOURCES

Missouri State Recycling Program

Office of Administration | Division of General Services

Internet: <http://oa.mo.gov/general-services/missouri-state-recycling-program>

Email: recycling@oa.mo.gov

Phone: 573-751-3384

The Missouri State Recycling Program partners with state employees and agencies to facilitate fiscally and environmentally responsible strategies for reuse and recycling of state property.

State Recycling Contracts

Local Contracts: <https://oa.mo.gov/general-services/state-recycling-program/recycling-services-contracts>

Statewide Contracts: <https://oa.mo.gov/general-services/state-recycling-program/statewide-recycling-services>

MOREuse

Office of Administration | Division of General Services | State Surplus Property

Internet: <https://oa.mo.gov/moreuse>

MOREuse is a web-based application that facilitates the reuse and recycling of state property. Any state team member is eligible to use this system. The system is made of “givers” those who have property they no longer need and “takers” those who have a need for a desk, a chair, paper clips or numerous other possibilities. There are training videos on the MOREuse website.

Missouri Recycling Association

Internet: www.mora.org

Phone: (573) 491-4255

The Missouri Recycling Association (MORA) is a statewide organization advocating for recycling in the state. MORA connects people from public and private organizations, offers industry insights, and strives to influence policy to support Missouri’s economy and businesses by extracting the highest and best use of materials at end of life.

Missouri Vocational Enterprises (MVE)

Missouri Department of Corrections

Internet: <http://www.doc.mo.gov/mve>

Phone: 800-392-8486 or 573-751-6663

The Department of Corrections vocational training program offers the following products and services that meet “buy recycled” criteria. MVE products and services are only available to state agencies and other tax-supported entities.

MVE Recycled Products & Services

- Cardboard boxes: 65 percent post-consumer content
- Metal products: 25 percent post-consumer content
- Toilet paper: 100 percent recycled material
- Envelopes: 20 percent post-consumer content
- Recycled Plastic
 - * Picnic Tables
 - * Park benches

MVE Recycling/Remanufacturing/Refurbishing Services

Toner Cartridge Refill Service
573-751-3224 ext. 1260

Furniture & Office Panel (cubicle)
Refurbishing
573-751-6663 or 800-392-8486

APPENDICES



Appendix A: Department reports of materials recycled

- FY21 Pounds Recycled
- Table A.1 - Department Reports of Pounds Recycled
- Table A.1 Notes & Table A.2 - Pounds Recycled by Contract
- Table A.3 - Department Reports of Gallons & Number of Items Recycled

Appendix B: Department reports of recycled-content product procurement

- FY21 Recycled Products Purchased
- Table B.1 - Department Reports of Non-Paper Recycled Products Purchased
- Table B.2 - Comparison of Recycled & Virgin Paper Purchases
- Table B.3 - Breakout of Recycled and Virgin Paper Purchases

Appendices may be viewed by visiting the Missouri State Recycling website.